

CHICAGO DYNAMIC INDUSTRIES, INC.

PRECISION PRODUCTS DIVISION

1725 DIVERSEY BOULEVARD • CHICAGO 14, ILLINOIS • WELLINGTON 5-4600

Dear Sir:

In answer to your inquiry, we are forwarding catalog sheets which not only cover your area of specific interest but will also acquaint you with the various other items currently available in our line.

We have also forwarded a copy of your inquiry to our Representative in your area, and we are confident that a qualified Sales Engineer from the aforementioned Representative will call on you in the immediate future and discuss your requirements. Meanwhile, should you desire to contact our Representative in your area, his address is:

Representative:

REAGAN ELECTRONICS, INC.

419 Central Ave.

Albany 6, New York

Phone - 518-436-9649

We appreciate your interest in our line of switches, and we thank you for the opportunity which you afford us to acquaint you with our products. We look forward to supplying your present and future requirements.

Very truly yours,

PRECISION PRODUCTS DIVISION



Harry M. Glick
Director of Sales

HMG:jm
Enclosures

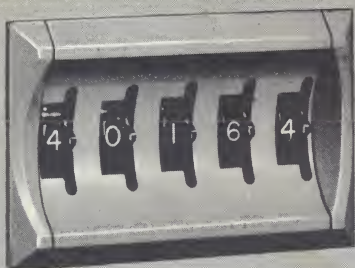


PRECISION SWITCHES

FOR INDUSTRIAL AND MILITARY APPLICATIONS

SERIES MTT Miniature Tab-type Thumbwheel Switches

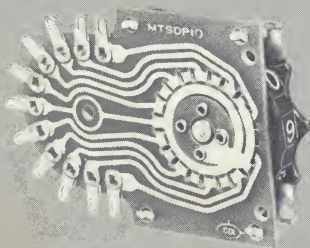
Decimal or Binary output . . . Minimum panel space . . . Half-inch centers



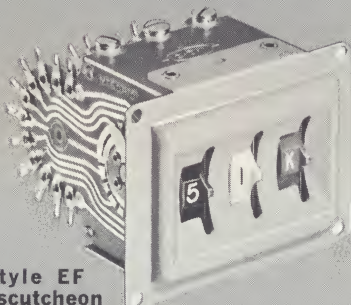
Fast in-line readout. Style EE escutcheon.



Series MTTB



Series MTTD



Style EF Escutcheon

Reliable miniature tab-type thumbwheel switches ensure positive readout throughout a typical life of 100,000 cycles. Escutcheons allow front or back mounting. Switches are individually replaceable. Each has 8, 10, 12, or 16 positions . . . 1 to 20 modules can be combined in a single assembly.

CONDENSED SPECIFICATIONS

- Standard decimal-output types have XXXP phenolic circuit boards, carry 3 amp at 115 v ac
- Standard binary-output types have FL-GF epoxy circuit boards, carry 2 amp at 115 v ac
- Breaking current 125 ma at 115 v ac
- Maximum contact resistance 0.05 ohm
- Function at temperatures -55° to $+100^{\circ}\text{C}$

OPTIONS AVAILABLE

- Contact materials
- Phenolic or epoxy circuit boards
- Decimal or binary output
- Limit stops
- Special engraving
- Non-standard spacing
- Multideck units
- Terminals
- Extended circuit boards
- Colored wheels
- Lighting

SERIES TT Tab-type Thumbwheel Switches

Available with decimal- or binary-coded output in 8-10-12-16 positions

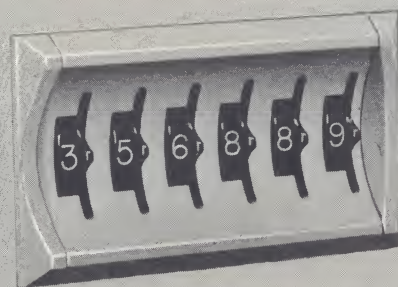
These reliable modular switches give positive, in-line display. Specify series TTD for decimal output, series TTB where output is to be binary coded. Series offer permanent installation or switches individually replaceable from front of panel by plugging into receptacles at back of switch frame. Two styles of escutcheons are available. Silver contacts on beryllium-copper brushes. Circuit board of phenolic or epoxy laminate. Two-ounce-copper-base circuits are nickel and gold plated.

CONDENSED SPECIFICATIONS

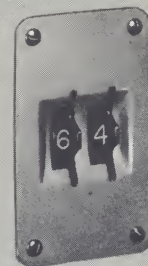
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- Standard binary types have FL-GF epoxy circuit boards, carry 2 amp at 115 v ac
- Breaking current 125 ma at 115 v ac
- Maximum contact resistance 0.05 ohm
- Temperatures -55° to $+100^{\circ}\text{C}$

OPTIONS AVAILABLE

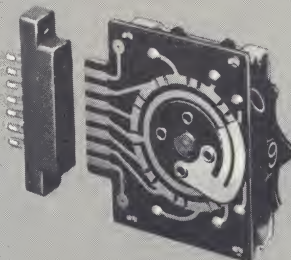
- Contact and circuit-board materials
- Limit stops
- Special engraving
- Non-standard spacing
- Multideck units
- Terminals
- Extended circuit boards
- Colored wheels
- Lighting



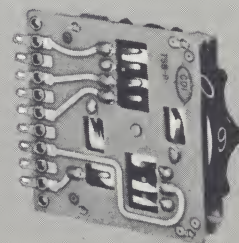
Style EE extruded escutcheon, switch removal is from rear.



Style ES escutcheon. Switch replacement from front or rear of panel.



Series TTD-R switch. Removable from front or rear of panel.



Series TTB-P binary-output

SERIES PS Panel-Sealed Tab-type Thumbwheel Switches

Oil, splash, dustproof switches seal to panel
... for hazardous locations

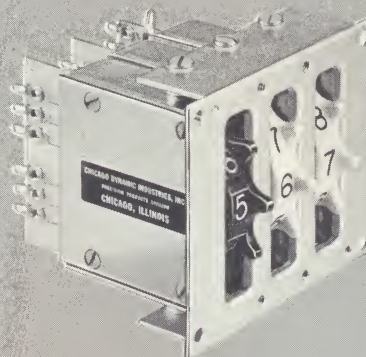
Dustproof, moistureproof, oiltight switches can be combined for multidigit installations, where they give positive, in-line display of setting. Individual switches can be removed from rear without breaking frame-to-panel seal. Usable with style EE extended escutcheon, which conceals mounting screws, or with style ES stamped escutcheon, supplied as standard. Units retrofit mounting dimensions for TT series. Presently available in 10 position only.

CONDENSED SPECIFICATIONS

- 2 amp at 115 v ac • Breaking current 125 ma at 115 v ac
- Maximum contact resistance 0.05 ohm • Temperatures -55° to $+100^{\circ}\text{C}$

OPTIONS AVAILABLE

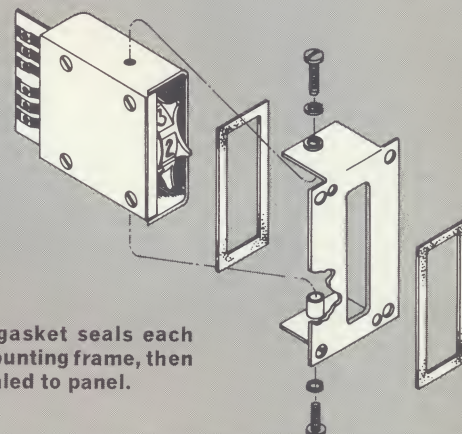
- Decimal or binary output • Limit stops • Special engraving • Non-standard spacing • Double-deck units • Terminals • Extended circuit boards • Colored wheels (internal lighting not available)



Factory-assembled unit shows two dial colors. White and black are standard.



Style EE escutcheon.



Individual gasket seals each switch to mounting frame, then frame is sealed to panel.

SERIES PB Panel Sealed Push-Button Switches

Simple, rugged, unidirectional indexing mechanism ensures positive positioning of contacts and digits displayed

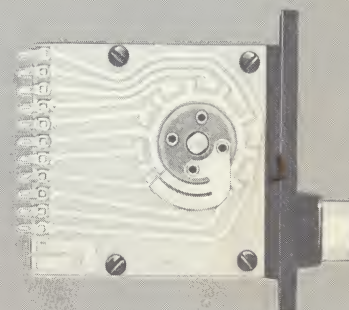
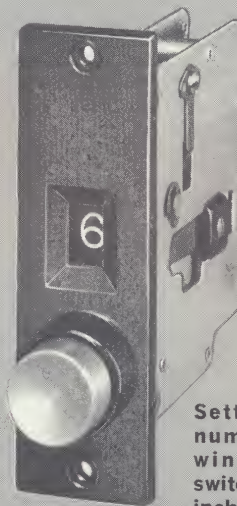
Switch position indicated in window. Shock- and vibration-proof multiple switches give a positive, in-line read-out. Engraved letters or numbers are available with either decimal (Series PB-DN) or binary output (Series PB-BN). A dust- and splash-proof gasket seals the panel, window, and push button against common industrial contaminants. Individual switches are mounted to front of panel by two screws.

CONDENSED SPECIFICATIONS

- 2 or 3 amp at 115 v ac • Breaking current 125 ma at 115 v ac
- Maximum contact resistance 0.05 ohm • Temperatures from -55° to $+100^{\circ}\text{C}$ (available in 10 positions only)

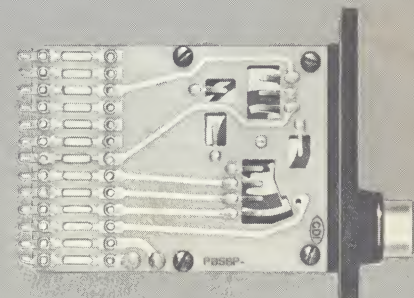
OPTIONS AVAILABLE

- Contact materials • Binary codes • Special engraving
- Extended circuit boards • Lighting 5 v or 28 v



Sequential operation is ensured by positive no-hang detent mechanism.

Setting is shown by numeral centered in window. Series PB switches mount on 1-inch centers.



Extended circuit board is available in series PB-BN for component mounting.

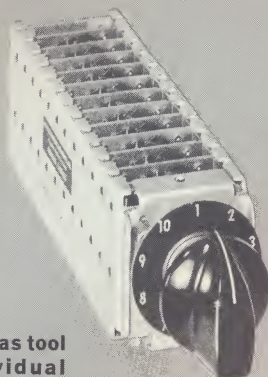
SERIES RS-15 Rotary Selector Switches

Compact, reliable ten-position switches with as many as twelve plug-in decks

These need minimal panel space: over-all width is less than 1½ inch. One to twelve decks are switched simultaneously. Decks can be replaced independently. (Dust cover serves as a removal tool.) Switch is mounted to panel by three screws. Molded phenolic knob is surrounded by etched indicator plate.



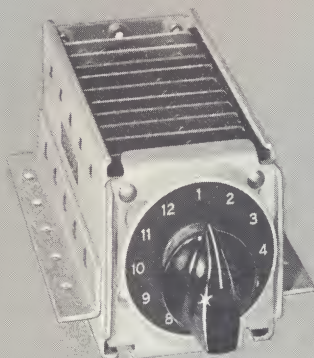
Dust cover serves as tool to pop out individual decks for ease of maintenance.



SERIES RS-21 Rotary Selector Switches

Ten or twelve positions, up to eighteen independent decks . . . Switch is 2½ inches square

For applications requiring long life and ease of maintenance. Dust cover is used as a tool to snap out individual switch decks for inspection and testing. Assembly mounts to panel by three screws. Models with more than five decks have side channels for additional support. Many variations of circuits are available as standard. P.C. or Wire-wrap terminals or connectors. Solder-type is standard.

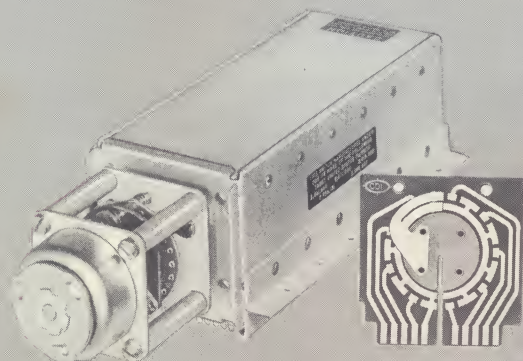


Switch with typical wafers, all connections made at bottom.

SERIES RS-30 Rotary Selector Switches

10, 18 or 20 positions can be selected manually or by remotely controlled solenoid or motor

Double-pole models are available in this series, with six, nine, or ten positions. Patented removable decks can be snapped up out of switch frame for inspection. Special keying prevents reversing decks when reinserting, prevents switching errors. CDI's 100-percent electrical inspection ensures dependability. Typical service life is 100,000 complete cycles for production-run units. Switch reliability combined with ease of inspection makes these rotary switches the choice of equipment designers.

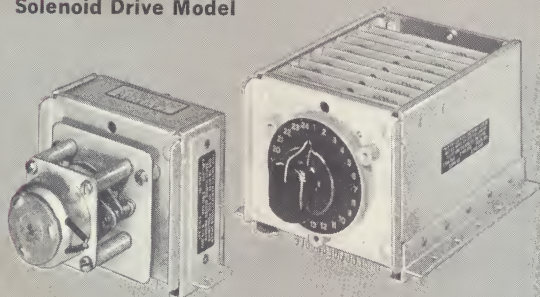


Solenoid Drive Model

SERIES RS-40 Rotary Selector Switches

These high-reliability switches are designed for manual, motor or solenoid operation

Pre-shipment quality control testing of each assembly ensures long, error-free service from C.D.I. switches in vital control functions. Up to thirty-six switch decks are available and to a maximum of 32 positions per deck. All connections are through a PC connector. Printed-circuit or wire-wrap terminals are optional. As with all RS Series, "downtime" due to maintenance is minimal as no resoldering is required for removal or replacement of switch wafers.



Switch is approximately 4 inches square, carries as many as thirty-six independent decks, to 32 positions each.

GENERAL SPECIFICATIONS

- Carry 3 amp • Rated for 250 v • Breaking current 125 ma at 115 v • Maximum contact resistance terminal to terminal 0.03 to 0.10 ohm • Temperatures from -50° to +100°C • Standard circuit-board material is XXXP phenolic • Standard contacts are fine silver

GENERAL OPTIONS

- Gold or palladium contacts • Nickel-rhodium circuit plating • FL-GF fire-retardant glass epoxy circuit boards • Connector terminals PC or wire wrap • Special circuits available • Solenoid or motor operation (except series RS-15)

SERIES RSG Rotary Selector Switches

A unique approach to compact switching provides as many as 400 positions in a single switch

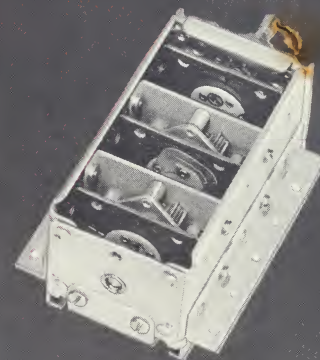
These switches are essentially similar to the single-pole types of RS-21, -30, and -40 rotary switches. The number of positions that may be selected on each of those types is multiplied in the RSG series by the insertion of a geneva-gear unit. This makes possible 50 or 100 positions in single-pole series RSG-21 switches, 200 in series RSG-30, and 400 in RSG-40. Readout dials are available with most series, also remotely controlled solenoid and motor operators.

CONDENSED SPECIFICATIONS

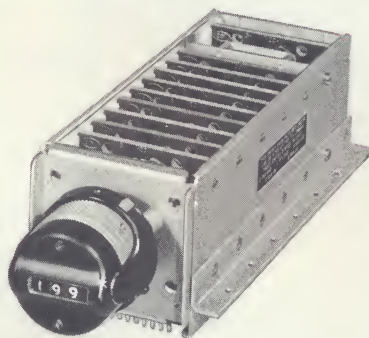
- Carry 3 amp • Voltages to 250 v • Breaking current 125 ma at 115 v • Maximum contact resistance terminal to terminal 0.03 to 0.10 ohm

OPTIONS AVAILABLE

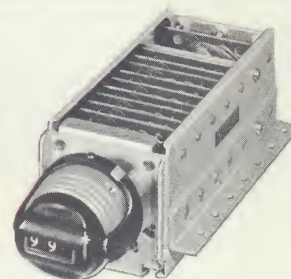
- Number of positions • Contact and circuit-board materials • Circuit plating • Terminals • Solenoid or motor operation



Multi geneva unit.



Series RSG-30 switch offers 200 positions.

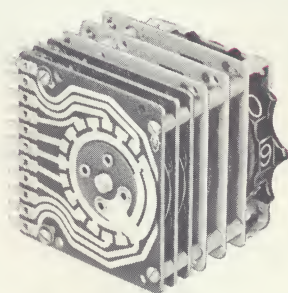


Series RSG-21 switch offers 50 or 100 positions.

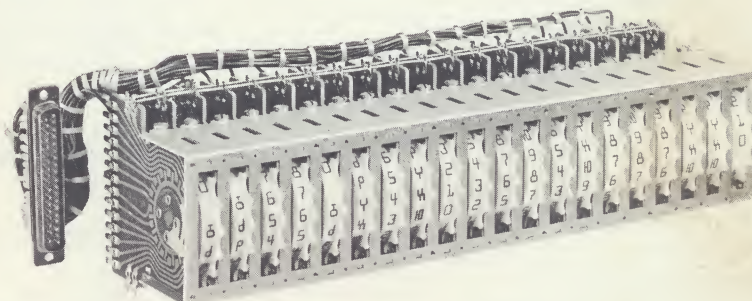
CUSTOM ASSEMBLIES: Prewired Modules, Panels, Special Switches



CDI facilities are available for assembly and wiring of complete panels.



Series TT switches can be modified to build countless special variations such as this binary-digital multideck.



CDI provides special engraving and prewired modular assemblies to customer specifications.

REPRESENTED BY...

Detailed specifications available in CDI's complete catalog.



CHICAGO DYNAMIC INDUSTRIES, INC.
PRECISION PRODUCTS DIVISION

1725 DIVERSEY BOULEVARD • CHICAGO, ILLINOIS • 60614

PHONE (AREA 312) 935-4600

Form 12366

Printed in U.S.A.

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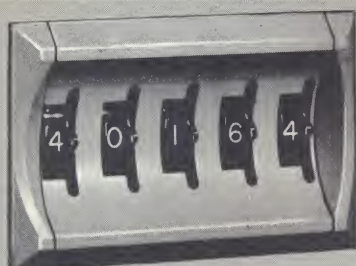


PRECISION SWITCHES

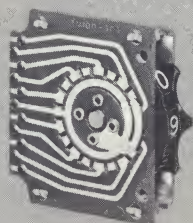
FOR INDUSTRIAL AND MILITARY APPLICATIONS

SERIES MTT Miniature Tab-type Thumbwheel Switches

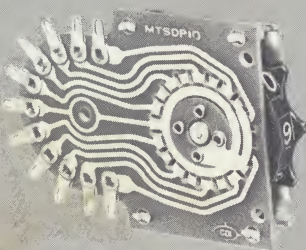
Decimal or Binary output . . . Minimum panel space . . . Half-inch centers



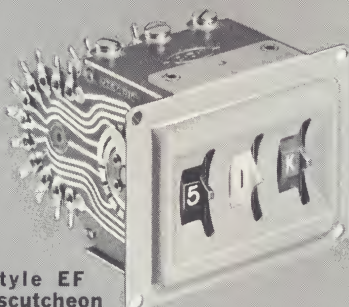
Fast in-line readout. Style EE escutcheon.



Series MTTB



Series MTTD



Style EF Escutcheon

Reliable miniature tab-type thumbwheel switches ensure positive readout throughout a typical life of 100,000 cycles. Escutcheons allow front or back mounting. Switches are individually replaceable. Each has 8, 10, 12, or 16 positions . . . 1 to 20 modules can be combined in a single assembly.

CONDENSED SPECIFICATIONS

- Standard decimal-output types have XXXP phenolic circuit boards, carry 3 amp at 115 v ac
- Standard binary-output types have FL-GF epoxy circuit boards, carry 2 amp at 115 v ac
- Breaking current 125 ma at 115 v ac
- Maximum contact resistance 0.05 ohm
- Function at temperatures -55° to $+100^{\circ}\text{C}$

OPTIONS AVAILABLE

- Contact materials
- Phenolic or epoxy circuit boards
- Decimal or binary output
- Limit stops
- Special engraving
- Non-standard spacing
- Multideck units
- Terminals
- Extended circuit boards
- Colored wheels
- Lighting

SERIES TT Tab-type Thumbwheel Switches

Available with decimal- or binary-coded output in 8-10-12-16 positions

These reliable modular switches give positive, in-line display. Specify series TTD for decimal output, series TTB where output is to be binary coded. Series offer permanent installation or switches individually replaceable from front of panel by plugging into receptacles at back of switch frame. Two styles of escutcheons are available. Silver contacts on beryllium-copper brushes. Circuit board of phenolic or epoxy laminate. Two-ounce-copper-base circuits are nickel and gold plated.

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- Standard binary types have FL-GF epoxy circuit boards, carry 2 amp at 115 v ac
- Breaking current 125 ma at 115 v ac
- Maximum contact resistance 0.05 ohm
- Temperatures -55° to $+100^{\circ}\text{C}$

OPTIONS AVAILABLE

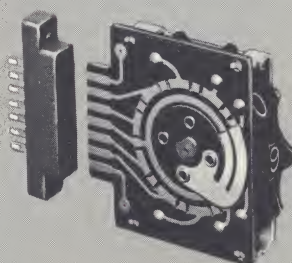
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- Special engraving
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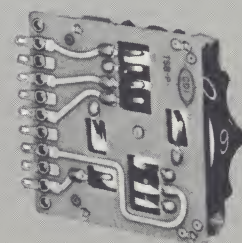
Style EE extruded escutcheon, switch removal is from rear.



Style ES escutcheon. Switch replacement from front or rear of panel.



Series TTD-R switch. Removable from front or rear of panel.



Series TTB-P binary-output

SERIES PS Panel-Sealed Tab-type Thumbwheel Switches

Oil, splash, dustproof switches seal to panel ... for hazardous locations

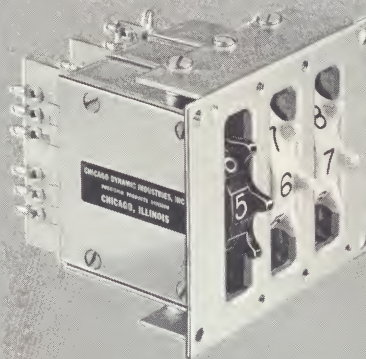
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CONDENSED SPECIFICATIONS

- 2 amp at 115 v ac • Breaking current 125 ma at 115 v ac
- Maximum contact resistance 0.05 ohm • Temperatures -55° to $+100^{\circ}\text{C}$

OPTIONS AVAILABLE

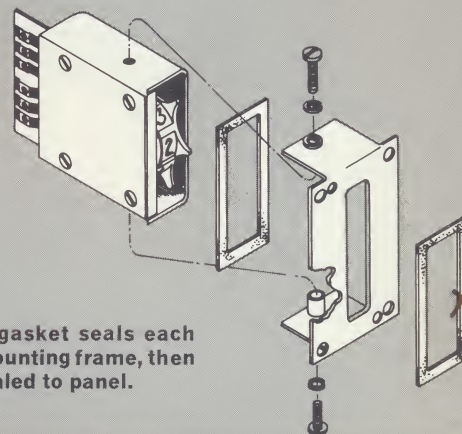
- Decimal or binary output • Limit stops • Special engraving • Non-standard spacing • Double-deck units • Terminals • Extended circuit boards • Colored wheels (internal lighting not available)



Factory-assembled unit shows two dial colors. White and black are standard.



Style EE escutcheon.



Individual gasket seals each switch to mounting frame, then frame is sealed to panel.

SERIES PB Panel Sealed Push-Button Switches

Simple, rugged, unidirectional indexing mechanism ensures positive positioning of contacts and digits displayed

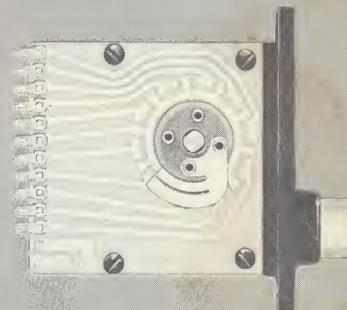
Switch position indicated in window. Shock- and vibration-proof multiple switches give a positive, in-line read-out. Engraved letters or numbers are available with either decimal (Series PB-DN) or binary output (Series PB-BN). A dust- and splash-proof gasket seals the panel, window, and push button against common industrial contaminants. Individual switches are mounted to front of panel by two screws.

CONDENSED SPECIFICATIONS

- 2 or 3 amp at 115 v ac • Breaking current 125 ma at 115 v ac • Maximum contact resistance 0.05 ohm • Temperatures from -55° to $+100^{\circ}\text{C}$ (available in 10 positions only)

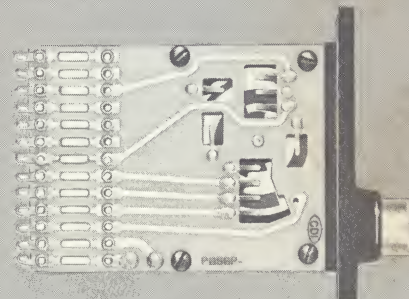
OPTIONS AVAILABLE

- Contact materials • Binary codes • Special engraving
- Extended circuit boards • Lighting 5 v or 28 v



Sequential operation is ensured by positive no-hang detent mechanism.

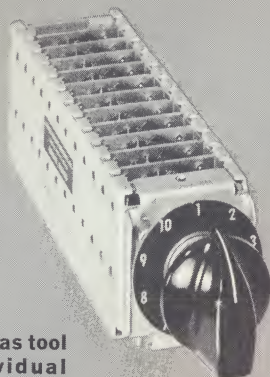
Setting is shown by numeral centered in window. Series PB switches mount on 1-inch centers.



Extended circuit board is available in series PB-BN for component mounting.



Dust cover serves as tool to pop out individual decks for ease of maintenance.



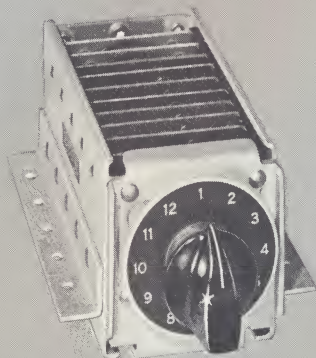
SERIES RS-15 Rotary Selector Switches

Compact, reliable ten-position switches with as many as twelve plug-in decks

These need minimal panel space: over-all width is less than 1½ inch. One to twelve decks are switched simultaneously. Decks can be replaced independently. (Dust cover serves as a removal tool.) Switch is mounted to panel by three screws. Molded phenolic knob is surrounded by etched indicator plate.



Switch with typical wafers, all connections made at bottom.



SERIES RS-21 Rotary Selector Switches

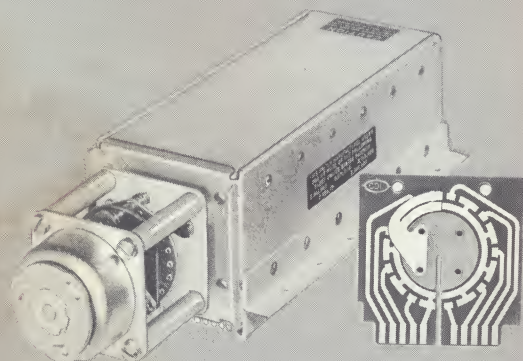
Ten or twelve positions, up to eighteen independent decks . . . Switch is 2½ inches square

For applications requiring long life and ease of maintenance. Dust cover is used as a tool to snap out individual switch decks for inspection and testing. Assembly mounts to panel by three screws. Models with more than five decks have side channels for additional support. Many variations of circuits are available as standard. P.C. or Wire-wrap terminals or connectors. Solder-type is standard.

SERIES RS-30 Rotary Selector Switches

10, 18 or 20 positions can be selected manually or by remotely controlled solenoid or motor

Double-pole models are available in this series, with six, nine, or ten positions. Patented removable decks can be snapped up out of switch frame for inspection. Special keying prevents reversing decks when reinserting, prevents switching errors. CDI's 100-percent electrical inspection ensures dependability. Typical service life is 100,000 complete cycles for production-run units. Switch reliability combined with ease of inspection makes these rotary switches the choice of equipment designers.

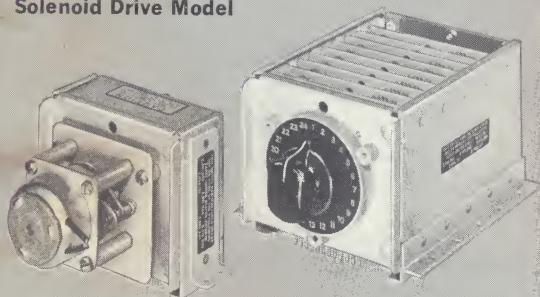


Solenoid Drive Model

SERIES RS-40 Rotary Selector Switches

These high-reliability switches are designed for manual, motor or solenoid operation

Pre-shipment quality control testing of each assembly ensures long, error-free service from C.D.I. switches in vital control functions. Up to thirty-six switch decks are available and to a maximum of 32 positions per deck. All connections are through a PC connector. Printed-circuit or wire-wrap terminals are optional. As with all RS Series, "downtime" due to maintenance is minimal as no resoldering is required for removal or replacement of switch wafers.



Switch is approximately 4 inches square, carries as many as thirty-six independent decks, to 32 positions each.

GENERAL SPECIFICATIONS

- Carry 3 amp • Rated for 250 v • Breaking current 125 ma at 115 v • Maximum contact resistance terminal to terminal 0.03 to 0.10 ohm • Temperatures from -50° to +100°C • Standard circuit-board material is XXXP phenolic • Standard contacts are fine silver

GENERAL OPTIONS

- Gold or palladium contacts • Nickel-rhodium circuit plating • FL-GF fire-retardant glass epoxy circuit boards • Connector terminals PC or wire wrap • Special circuits available • Solenoid or motor operation (except series RS-15)

SERIES RSG Rotary Selector Switches

A unique approach to compact switching provides as many as 400 positions in a single switch

These switches are essentially similar to the single-pole types of RS-21, -30, and -40 rotary switches. The number of positions that may be selected on each of those types is multiplied in the RSG series by the insertion of a geneva-gear unit. This makes possible 50 or 100 positions in single-pole series RSG-21 switches, 200 in series RSG-30, and 400 in RSG-40. Readout dials are available with most series, also remotely controlled solenoid and motor operators.

CONDENSED SPECIFICATIONS

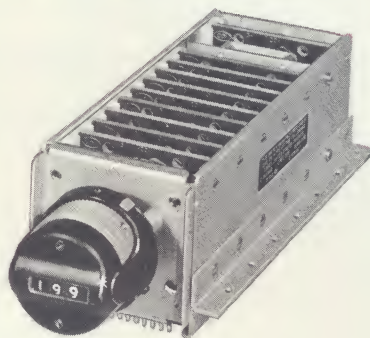
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- Breaking current 125 ma at 115 v
- Maximum contact resistance terminal to terminal 0.03 to 0.10 ohm

OPTIONS AVAILABLE

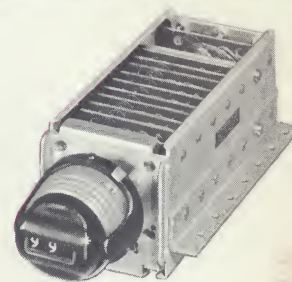
- Number of positions
- Contact and circuit-board materials
- Circuit plating
- Terminals
- Solenoid or motor operation



Multi geneva unit.



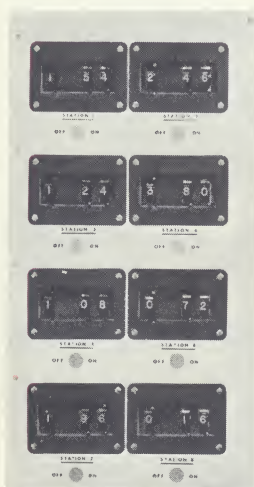
Series RSG-30 switch offers 200 positions.



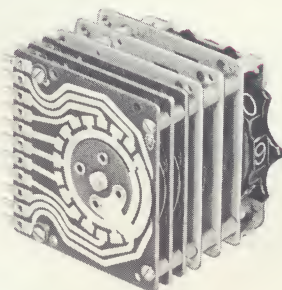
Series RSG-21 switch offers 50 or 100 positions.

CUSTOM ASSEMBLIES: Rewired Modules, Panels, Special Switches

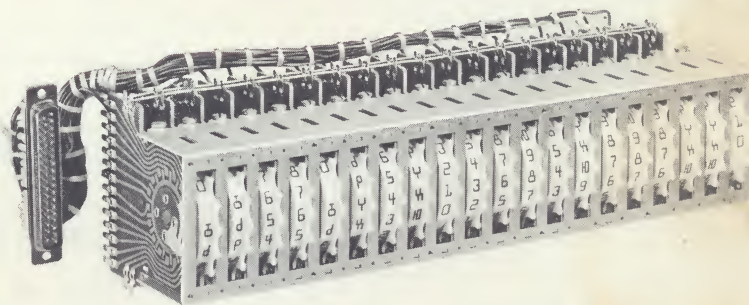
Modifications of standard products already available can meet most special needs through variations of standard component parts. Discuss your needs with our CDI representative. He is equipped to solve most unusual problems. He may be able to suggest answers to your needs from among our ever-growing list of optional features.



CDI facilities are available for assembly and wiring of complete panels.



Series TT switches can be modified to build countless special variations such as this binary-digital multideck.



CDI provides special engraving and pre-wired modular assemblies to customer specifications.

REPRESENTED BY...

Detailed specifications available in CDI's complete catalog.



CHICAGO DYNAMIC INDUSTRIES, INC.
PRECISION PRODUCTS DIVISION

1725 DIVERSEY BOULEVARD • CHICAGO, ILLINOIS • 60614

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PHONE (AREA 312) 935-4600

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